Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/03/2020 01:00 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124008	-1	2.52	124026	2.47
Blue	F	SSC	125000	124467	-1	1.65	125209	1.62
Blue	E	FITC	16433	15901	-4	2.97	346	20.36
Blue	D	PE	27595	27162	-2	2.19	592	14.90
Blue	B	PerCP-Cy5-5	43183	42867	-1	3.79	1150	20.52
Blue	A	PE-Cy7	31943	32256	0	6.29	614	42.00
Red	C	APC	42819	42426	-1	2.37	1499	11.94
Red	A	APC-Cy7	31261	30191	-4	2.26	795	11.82
Violet	B	V450	6527	6188	-6	5.10	346	13.67
Violet	A	V500	24533	23481	-5	4.90	545	10.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17596	13.11	619	19	N/A	N/A	Pass
Blue	F	SSC	56611	1.25	560	12	N/A	N/A	Pass
Blue	E	FITC	64	62.06	544	5	0.0187	68	Pass
Blue	D	PE	123	50.02	542	8	0.1572	260	Pass
Blue	B	PerCP-Cy5-5	211	50.12	657	15	0.0089	50	Pass
Blue	A	PE-Cy7	114	103.97	707	18	0.0103	16	Pass
Red	C	APC	356	25.87	582	-1	0.0261	258	Pass
Red	A	APC-Cy7	175	29.25	561	-2	0.0059	1339	Pass
Violet	B	V450	52	61.54	449	-6	0.0500	2125	Pass
Violet	A	V500	82	33.94	461	-6	0.0232	837	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/03/2020 01:00 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.27	-31.69	1.00
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.49	13.60 - 20.40	N/A	N/A	29.16	29.75	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10508

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments